

CLAIMS

Having thus described my invention, I claim:

- 1 1. An evacuation system comprising:
2 means for determining a safe direction of evacuation from a premises depending on
3 a location of a threat or other condition; and
4 means for indicating to individuals the direction of evacuation.
- 1 2. The evacuation system of claim 1 further comprising:
2 means for notifying other parties external to the premises of the evacuation.
- 1 3. The evacuation system of claim 1 wherein the means for determining a safe
2 direction of evacuation comprises:
3 one or more sensors to indicate a threat, its type and its location.
- 1 4. The evacuation system of claim 3 wherein the sensors comprises one or more
2 individuals who observe the threat.
- 1 5. The evacuation system of claim 3 wherein the one or more sensors includes
2 one or more devices taken from a group of fire and smoke detectors, gas
3 detectors and radioactive detectors.
- 1 6. The evacuation system of claim 1 wherein the means for indicating the
2 direction of evacuation comprises audio indicators.
- 1 7. The evacuation system of claim 1 wherein the means for indicating the
2 direction of evacuation comprises visual indicators.

- 1 8. The evacuation system of claim 1 wherein the means for indicating the
2 direction of evacuation comprises both audio and visual indicators.
- 1 9. The evacuation system of claim 6 wherein the audio indicators include at least
2 one from a group of indicators comprising a public address system and alarm.
- 1 10. The evacuation system of claim 7 wherein one or more visual indicators
2 comprises visual indicators from the group comprising persons and lights.
- 1 11. The evacuation system of claim 8 wherein:
2 the audio indicators include at least one from a group of indicators comprising a
3 public address system and alarm; and
4 one or more visual indicators comprises visual indicators from the group comprising
5 persons and lights.
- 1 12. The evacuation system of claim 10 wherein the lights comprise a combination
2 of a red and green lights wherein red indicates wrong direction of evacuation
3 and green indicates correct direction of evacuation.
- 1 13. The evacuation system of claim 9 wherein the audio device submits a coded
2 alarm to indicate the direction of evacuation.
- 1 14. The evacuation system of claim 9 wherein the audio device submits a vocal
2 alarm to indicate direction of evacuation.

1 15. The evacuation system of claim 13 wherein the coded alarm comprises:
2 one beep to indicate evacuation through one of the predetermined exit site or to the
3 North;
4 two beeps to indicate evacuation through one of the predetermined exit site or to the
5 East;
6 three beeps to indicate evacuation through one of the predetermined exit site or to the
7 South;
8 four beeps to indicate evacuation through one of the predetermined exit site or to the
9 West; and
10 a steady beep to indicate to seek shelter inside premises.

1 16. The evacuation system of claim 13 wherein the coded alarm comprises a
2 fading sound to indicate correct direction for evacuation.

1 17. The evacuation system of claim 2 wherein the means for notifying other parties
2 comprises a telephone interface having automatic dialing capability having a
3 predetermined plurality of numbers and playback recorded messages.

1 18. The evacuation system of claim 2 further includes at least one from a group
2 consisting of a personal computer, e-mail, pagers, cellular phones, satellite and
3 internet technology.

1 19. The evacuation system of claim 1 wherein the means for determining a safe
2 direction includes an on-site weather station capable of providing at least wind
3 speed and wind direction.

1 **20.** The evacuation system of claim 1 wherein a plurality of evacuation systems are
2 linked together to provide for protection over a plurality of premises and an
3 area.

1 **21.** The evacuation system of claim 20 wherein:
2 the linked evacuation systems use latitude and longitude coordinates;
3 each coordinate comprises a location of a connected node; and
4 the latitude and longitude coordinates are used to determine evacuation direction for
5 that location.

1 **22.** A method of evacuating premises comprising the steps of:
2 a. ascertaining a safe direction of evacuation depending on a threat location,
3 weather or other conditions; and
4 b. directing evacuation using audio and visual means.

1 **23.** The method claimed in claim 22 further comprising the step prior to step b of:
2 using a web interface to initiate the evacuation.